PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Form PCT/IPEA/416		
International application No.	International filing date (day/month/year) Priority date (day/month/year)			
PCT/AU2004/001522 5 November 2004 7 November 2003				
International Patent Classification (IPC) or	national classification and IPC			
Int. Cl. G01N 33/58 (2006. C12Q 1/70 (2006.01) G01N	01) <i>C12Q 1/68</i> (2006.01) <i>G(</i> / 33/577 (2006.01)	01N 33/566 (2006.01) C07K 17/14 (2006.01)		
Applicant HEPGENICS PTY LTD et al				
		and by this Josephanianal Preliminary Examining		
Authority under Article 35 and transmu	ned to the applicant according t			
2. This REPORT consists of a total of 6		eet.		
3. This report is also accompanied by AN				
a. $oxed{X}$ (sent to the applicant and to th	e International Bureau) a total	of 10 sheets, as follows:		
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).				
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.				
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or table related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).				
4. This report contains indications relatir				
X Box No. 1 Basis of the repo	•			
X Box No. II Priority	· · · · · · · · · · · · · · · · · · ·			
X Box No. III Non-establishme				
Box No. IV Lack of unity of	Box No. IV Lack of unity of invention			
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
X Box No. VI Certain docume				
Box No. VII Certain defects	Box No. VII Certain defects in the international application			
Box No. VIII Certain observations on the international application				
Date of submission of the demand Date of completion of this report				
7 September 2005				
Name and mailing address of the IPEA/AU	Autho	rized Officer		
AUSTRALIAN PATENT OFFICE		en e		
PO BOX 200, WODEN ACT 2606, AUSTR. E-mail address: pct@ipaustralia.gov.au		EVER		
Facsimile No. (02) 6285 3929	Telep	hone No. (02) 6283 2263		

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/AU2004/001522

Box	c No. I	Basis of the report
1.	With	regard to the language, this report is based on:
	X	The international application in the language in which it was filed
		A translation of the international application into , which is the language of a translation furnished for the purposes of:
		international search (under Rules 12.3(a) and 23.1 (b))
•		publication of the international application (under Rule 12.4(a))
		international preliminary examination (Rules 55.2(a) and/or 55.3(a))
2.	furni	regard to the elements of the international application, this report is based on (replacement sheets which have been ished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally and are not annexed to this report): the international application as originally filed/furnished
	$\overline{\mathbf{x}}$	the description:
	ت	pages 1-5,7-36 as originally filed/furnished
		pages* 6 received by this Authority on 23 December 2005 with the letter of 23 December 2005 pages* received by this Authority on with the letter of
	\mathbf{X}	the claims:
		pages as originally filed/furnished
		pages* as amended (together with any statement) under Article 19
	•	pages* 37-45 received by this Authority on 7 September 2005 with the letter of 7 September 2005
		pages" received by this Authority on with the letter of
	X	the drawings:
		pages 1/8-8/8 as originally filed/furnished
		pages* received by this Authority on with the letter of pages* received by this Authority on with the letter of
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.		The amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
4		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
		the description, pages
		the claims, Nos.
	,	the drawings, sheets/figs
'		the sequence listing (specify):
	,	any table(s) related to the sequence listing (specify):
•	lf ii	en: 4 applies, some or all of those sheets may be marked "superseded"

International application No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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	·	FC17A02004/001322
Box No. II Priority		•
	o priority had been claimed due to the failure to	furnish within the prescribed time
copy of the earlier application wh	ose priority has been claimed (Rule 66.7(a)).	
translation of the earlier application	on whose priority has been claimed (Rule 66.7(b)).
This report has been established as if n invalid (Rule 64.1). Thus for the purportion the relevant date.	o priority had been claimed due to the fact that oses of this report, the international filing date i	the priority claim has been found ndicated above is considered to be
ine rejevant date.	•	·•.
•	-	
3. Additional observations, if necessary:		.,
	ered and found to be valid	
The right to the priority date was consider	icicu anu lounu to de vallu.	,
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/AU2004/001522

Во	x No.	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
1.		questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be intally applicable have not been examined in respect of:
		the entire international application
•	X	claims Nos: 1-60 (in part)
	bcca	ause:
		the said international application, or the said claims Nos.
	_	relate to the following subject matter which does not require an international preliminary examination (specify):
	_	
		the description, claims or drawings (indicate particular elements below) or said claims Nos.
		are so unclear that no meaningful opinion could be formed (specify):
-		
		the claims, or said claims Nos.
		are so inadequately supported by the description that no meaningful opinion could be formed (specify)
	•	
:	<u> </u>	
	X	no international search report has been established for said claim Nos. 1-60 (in part)
		A meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
		Furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative
		Instructions, and such listing was not available to the International Preliminary Examining Authority in a form and manner acceptable to it.
		Furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Preliminary Examining
		Authority in a form and manner acceptable to it.
		Pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b) and 13ter.2.
		A meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Preliminary Examining Authority in a form and manner acceptable to it
		the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
		See Supplemental Box for further details.

Claims 1-60

Claims

YES

NO

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;

citations and explanations supporting such statement		
1. Statement		
Novelty (N)	Claims 1-60	YES
	Claims	NO .
Inventive step (IS)	Claims 1-60	YES
+	Claims	NO

2. Citations and explanations (Rule 70.7)

Industrial applicability (IA)

The following documents identified in the International Search Report have been considered for the purposes of this report:

Dl	EP 1 035 414	D7	PEIR et al.
D2	WERTHÉN M et al	D8	WUS Jet al
D3	MOORE N et al	· D9	VAUGHN D W et al
D4	LEA P et al	D10	BASTHOLM L et al
D'5	PAEK SH et al	DII	WO 2003/020204
D6	HAFTEK M et al		•

Claims 1-60

Box No. V

No individual citation or obvious combination of citations disclose the features of the claims.

With regard to the document(s) listed in Box VI under "certain documents cited", these are documents published prior to the international filing date but later than the priority date claimed but which would otherwise be considered to be of particular relevance.

Under the PCT, novelty is considered only in respect of documents published before the priority date. The relevance of a document published after the priority date is dependent upon national law. Such documents are excluded from consideration in preliminary examination, under the PCT Guidelines but have been included here for information.

Non-patent Literature P Category Documents

These documents may be relevant if there is a priority issue with the application:

- P, X PIEPER-FÜRST U et al.: Analytical Biochemistry (1 September 2004) 332 (1) pp 160-167
- P, X ZHOU P et al.: Journal of Agricultural and Food Chemistry, (14 July 2004), 52 (14), pp 4355-4359

Industrial Applicability (IA)

The invention defined in the claims is considered to meet the requirements of Industrial Applicability under Article 33(4) of the PCT because it can be made by, or used in, industry.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

ox No. VI Certain docum	ients cited		
Certain published documents	(Rule 70.10)		
Application No. Patent No. P. X WO 2004/014220	Publication date (day/month/year) 19 February 2004	Filing date (<u>day/month/year)</u> 12 August 2003	Priority date (valid claim) (day/month/year) 13 August 2002
P, X WO 2003/105899	24 December 2003	11 June 2003	13 June 2002
P, X WO 2003/093793	13 November 2003	30 April 2003	1 May 2002
•			

WO 2003/093793 discloses a detection method that assembles a functional moiety, which provides an effector function as a labelling moiety, that is encompassed by the claims.

WO 2003/105899 discloses a colloidal gold - antibody-protein complex in a method for detecting CSF specific proteins (including using "indirect" and "indirect sandwich" ELISA), which is encompassed by the claims.

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	Non-written	aiscipsures	[Kult /U.9]

		•	
Kind of non-written disclosure		Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
	•		